

What is claimed is:

1. A dishwasher comprising a circulating pump and at least one spraying system provided in the spray chamber and having at least two groups of spray nozzles provided on a rotatably mounted nozzle arm, said groups of spray nozzles being able to be operated independently by wash water flowing through them, wherein a means (6) is disposed in the area of the nozzle arm (1), said means enabling either the one or the other group (2), (3) of spray nozzles (4), (5) of the nozzle arm (1) for the wash water in a random manner and independently of the control system.
2. The dishwasher as recited in Claim 1, wherein the means (6) is disposed in the axis of rotation (7) of the nozzle arm (1).
3. The dishwasher as recited in Claim 2, wherein the means (6) is disposed in the wash water supply conduit.
4. The dishwasher as recited in Claims 1 through 3, wherein in order to enable the one or the other group (2), (3) of spray nozzles (4), (5), the means (6) assumes different positions, either as a result of the pressure of the wash water and/or the rotation of the nozzle arm (1).
5. The dishwasher as recited in Claim 3, wherein the means (6) preferably includes a ball (9) disposed in a chamber-like cage (10) through which flows wash water.
6. The dishwasher as recited in Claim 4, wherein the groups (2) and (3) of spray nozzles (4) and (5) interact separately with the chamber-like cage (10).
7. The dishwasher as recited in Claim 6, wherein the chamber-like cage (10) is provided with a depression in the axis of rotation (7) of the nozzle arm (1), a first and second restricted translational guide path (11) and (12) for the ball (9) being located on both sides of the depression, respectively.

8. The dishwasher as recited in Claim 7,
wherein the first guide path (11) is in communication with the one group (2) of spray nozzles
(4) and the second guide path (12) is in communication with the other group (3) of spray
nozzles (5), respectively.